**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 1 | 09/525447 | US-PGPUB | OR | OFF | 2009/07/10 18:12 |
| L10 | 14328 | (blue blu) near2 ray | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:19 |
| L11 | 40092 | (synchronization sync$4) near2 (code pattern id frame) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:19 |
| L12 | 369 | L11 and 10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:19 |
| L13 | 3370 | fs0 fs1 fs2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:19 |
| L14 | 22 | L13 and 12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:19 |
| L15 | 44051 | (synchronization sync$4) near2 (code pattern id frame identification identif $4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:22 |
| L16 | 384 | 10 and 15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:22 |

| L17 | 22 | 13 and 16 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:22 |
|-----|------|-----------|---------------------------------------------------------|----|-----|-------------------|
| L18 | 257 | RMTR (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:22 |
| L19 | 38 | L18 and 16 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:22 |
| L20 | 64642 | "369"/$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:23 |
| L21 | 156 | 16 and 20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:23 |
| L22 | 168 | 13 and 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:25 |
| L23 | 54 | 22 and 20 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 18:25 |
| S1 | 1 | 10/533505 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 13:20 |
| S2 | 1742 | ("100 101" "010 101" "100101" "010101") with sequence | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 13:21 |

| S3 | 75 | ("100 101" "010 101" "100101" "010101") with "bit sequence" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 13:31 |
|----|----|----|----|----|----|----|
| S4 | 218 | RMTR (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 13:34 |
| S5 | 6 | S3 and S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 13:35 |
| S6 | 410541 | (synchronization sync$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |
| S7 | 218 | RMTR (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |
| S8 | 158 | S7 and S6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |
| S9 | 91 | (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |
| S10 | 56 | S6 and S9 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |
| S11 | 1742 | ("100 101" "010 101" "100101" "010101") with sequence | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |

| S13 | 2 | S10 and S11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:29 |
|-----|---|-------------|------|----|-----|------|
| S14 | 57735 | ("100 101" "010 101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:33 |
| S15 | 7 | S6 and S14 and S9 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:33 |
| S16 | 8 | sync near2 color near3 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/13 16:53 |
| S17 | 0 | 1999/022375 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 11:22 |
| S18 | 1 | 09/177957 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 11:28 |
| S19 | 3085 | fs0 fs1 fs2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:36 |
| S20 | 373142 | sync synchronization | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:36 |
| S21 | 410972 | (synchronization sync$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:36 |

| S22 | 559 | S21 and S19 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:36 |
|-----|-----|-------------|----------------------------------------------------------|----|----|------------------|
| S23 | 7051 | blu near2 ray | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:39 |
| S24 | 19 | S22 and S23 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:39 |
| S25 | 1318 | sync near2 id | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:40 |
| S26 | 86 | S23 and S25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:40 |
| S27 | 86 | S21 and S26 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:40 |
| S28 | 0 | ("2004/0109400").URPN. | USPAT | OR | OFF | 2008/06/16 12:43 |
| S29 | 3048 | sync near2 (id pattern) | USPAT | OR | OFF | 2008/06/16 12:51 |
| S30 | 8562 | "6-bit" | USPAT | OR | OFF | 2008/06/16 12:51 |
| S31 | 783 | 369/59.25 | USPAT | OR | OFF | 2008/06/16 12:53 |
| S32 | 103 | S29 and S31 | USPAT | OR | OFF | 2008/06/16 12:53 |
| S33 | 57747 | ("100 101" "010 101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:56 |

| S34 | 13 | S33 and S32 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/16 12:56 |
| S35 | 3811 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/06/16 13:00 |
| S36 | 296 | S29 and S35 | USPAT | OR | OFF | 2008/06/16 13:00 |
| S37 | 15 | S30 and S36 | USPAT | OR | OFF | 2008/06/16 13:00 |
| S38 | 1812 | FS0 FS1 FS2 FS3 FS4 FS5 FS6 FS7 FS8 FS9 | USPAT | OR | OFF | 2008/06/16 13:06 |
| S39 | 11 | S29 and S38 | USPAT | OR | OFF | 2008/06/16 13:06 |
| S40 | 5586 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/16 13:48 |
| S41 | 3811 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/06/16 17:53 |
| S42 | 5586 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/16 17:53 |
| S43 | 316 | S42 and S41 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/16 17:53 |
| S44 | 19583 | RLL (run near2 length near2 limited) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 12:11 |
| S45 | 5591 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 12:11 |

| S46 | 5591 | S45 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 12:11 |
|---|---|---|---|---|---|---|
| S47 | 40642 | "6" near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 12:12 |
| S48 | 175 | S44 and S45 and S47 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 12:12 |
| S49 | 19583 | RLL (run near2 length near2 limited) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 16:47 |
| S50 | 5591 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 16:47 |
| S51 | 40642 | "6" near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 16:47 |
| S52 | 175 | S49 and S50 and S51 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 16:47 |
| S53 | 21 | 10/673402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 16:54 |
| S54 | 3814 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/06/18 16:55 |

| S55 | 15 | S54 and S52 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 16:55 |
|-----|-----|-------------|---------|-----|-----|----------|
| S56 | 2 | ("6259753").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/18 17:04 |
| S57 | 33823 | "6" adj1 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:17 |
| S58 | 110 | S50 same S57 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:17 |
| S59 | 35 | S49 and S58 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:17 |
| S60 | 114041 | (sync synchronization) near2 (id pattern signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:27 |
| S61 | 118436 | (sync$4 synchronization) near2 (id pattern signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:27 |
| S62 | 521 | S61 same S57 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:27 |
| S63 | 17 | S62 and S54 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:27 |

| S64 | 5 | S49 and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:27 |
|-----|---|-------------|----------------------------------------------------------|----|-----|------------------|
| S65 | 51 | S49 and S62 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:28 |
| S66 | 92 | "01110111" same RMTR (repeated adj1 minimum adj1 transition adj1 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/18 17:55 |
| S67 | 2 | "7177257" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 14:07 |
| S68 | 3 | ("6724707").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 14:09 |
| S69 | 2 | ("7016288").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 14:13 |
| S70 | 7 | ("5587975" \| "5838658" \| "5933410" \| "6262950" \| "6345023" \| "6452897" \| "6584050").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/19 14:35 |
| S71 | 1744 | ("100 101" "010 101" "100101" "010101") with sequence | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 14:43 |
| S72 | 2 | VFO and S71 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/19 14:43 |
| S73 | 2133 | VFO | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/19 14:44 |

| S74 | 19586 | RLL (run near2 length near2 limited) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 14:44 |
|---|---|---|---|---|---|---|
| S75 | 629 | S73 and S74 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/19 14:44 |
| S76 | 3814 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/06/19 14:44 |
| S77 | 131 | S76 and S75 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/19 14:44 |
| S78 | 33853 | "6" adj1 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 14:46 |
| S79 | 12 | S78 and S77 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/06/19 14:46 |
| S80 | 21 | 10/673402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 15:13 |
| S81 | 1463120 | ("100" adj1 "101" "010" ajd1 "101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 15:14 |
| S82 | 5365 | S74 and S81 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 15:15 |
| S83 | 170 | S82 and S76 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 15:15 |
| S84 | 23 | S83 and S78 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 15:15 |

| S85 | 7069 | blu near2 ray | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/19 16:00 |
|-----|------|---------------|---------------------------------------------------------|----|----|-------------------|
| S86 | 1 | 10/533505 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S87 | 1837 | ("100 101" "010 101" "100101" "010101") with sequence | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S88 | 81 | ("100 101" "010 101" "100101" "010101") with "bit sequence" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S89 | 237 | RMTR (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S90 | 6 | S88 and S89 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S91 | 431799 | (synchronization sync$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S92 | 237 | RMTR (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S93 | 169 | S92 and S91 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |

| S94 | 102 | (repeated near2 minimum near2 transition near2 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
|---|---|---|---|---|---|---|
| S95 | 64 | S91 and S94 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S96 | 1837 | ("100 101" "010 101" "100101" "010101") with sequence | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S97 | 2 | S95 and S96 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S98 | 59589 | ("100 101" "010 101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S99 | 7 | S91 and S98 and S94 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S100 | 8 | sync near2 color near3 pattern | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S101 | 0 | 1999/022375 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S102 | 1 | 09/177957 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |

| S103 | 3222 | fs0 fs1 fs2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
|------|------|-------------|---------|-----|-----|----------|
| S104 | 393046 | sync synchronization | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S105 | 431799 | (synchronization sync$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S106 | 592 | S105 and S103 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S107 | 8950 | blu near2 ray | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S108 | 21 | S106 and S107 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S109 | 1394 | sync near2 id | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S110 | 99 | S107 and S109 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S111 | 99 | S105 and S110 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |

| S112 | 0 | ("2004/0109400").URPN. | USPAT | OR | OFF | 2008/12/30 21:10 |
| S113 | 3164 | sync near2 (id pattern) | USPAT | OR | OFF | 2008/12/30 21:10 |
| S114 | 8853 | "6-bit" | USPAT | OR | OFF | 2008/12/30 21:10 |
| S115 | 878 | 369/59.25 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S116 | 112 | S113 and S115 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S117 | 59589 | ("100 101" "010 101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S118 | 13 | S117 and S116 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:10 |
| S119 | 4022 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S120 | 312 | S113 and S119 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S121 | 15 | S114 and S120 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S122 | 1880 | FS0 FS1 FS2 FS3 FS4 FS5 FS6 FS7 FS8 FS9 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S123 | 13 | S113 and S122 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S124 | 5844 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:10 |
| S125 | 4022 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/12/30 21:10 |
| S126 | 5844 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:10 |
| S127 | 335 | S126 and S125 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |

| S128 | 19857 | RLL (run near2 length near2 limited) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
|------|-------|------|------|------|------|------|
| S129 | 5844 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S130 | 5844 | S129 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S131 | 42353 | "6" near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S132 | 180 | S128 and S129 and S131 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S133 | 19857 | RLL (run near2 length near2 limited) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S134 | 5844 | sync near2 (id pattern) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S135 | 42353 | "6" near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S136 | 180 | S133 and S134 and S135 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |

| S137 | 21 | 10/673402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
|------|------|-----------|------|------|------|------|
| S138 | 4022 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/12/30 21:11 |
| S139 | 15 | S138 and S136 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S140 | 2 | ("6259753").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S141 | 35423 | "6" adj1 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S142 | 113 | S134 same S141 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S143 | 37 | S133 and S142 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S144 | 118891 | (sync synchronization) near2 (id pattern signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S145 | 123346 | (sync$4 synchronization) near2 (id pattern signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |

| S146 | 539 | S145 same S141 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
|---|---|---|---|---|---|---|
| S147 | 18 | S146 and S138 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S148 | 6 | S133 and S147 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S149 | 54 | S133 and S146 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S150 | 102 | "01110111" same RMTR (repeated adj1 minimum adj1 transition adj1 runlength) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S151 | 2 | "7177257" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S152 | 3 | ("6724707").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S153 | 2 | ("7016288").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S154 | 7 | ("5587975" \| "5838658" \| "5933410" \| "6262950" \| "6345023" \| "6452897" \| "6584050").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/30 21:11 |

| S155 | 1837 | ("100 101" "010 101" "100101" "010101") with sequence | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S156 | 2 | VFO and S155 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/30 21:11 |
| S157 | 2189 | VFO | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/30 21:11 |
| S158 | 19857 | RLL (run near2 length near2 limited) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S159 | 652 | S157 and S158 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/30 21:11 |
| S160 | 4022 | 369/59.25 369/275.3 | USPAT | OR | OFF | 2008/12/30 21:11 |
| S161 | 138 | S160 and S159 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/30 21:11 |
| S162 | 35423 | "6" adj1 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/30 21:11 |
| S163 | 13 | S162 and S161 | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/12/30 21:11 |
| S164 | 21 | 10/673402 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S165 | 1530099 | ("100" adj1 "101" "010" ajd1 "101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S166 | 5446 | S158 and S165 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |

| S167 | 183 | S166 and S160 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
|------|-----|---------------|---------|-----|-----|---------|
| S168 | 25 | S167 and S162 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S169 | 8950 | blu near2 ray | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/12/30 21:11 |
| S170 | 2 | ("6300886").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 20:54 |
| S171 | 20072 | (synchronization sync$4) near2 (code pattern id) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:03 |
| S172 | 147981 | ("6" "8") near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:03 |
| S173 | 1121 | S171 same S172 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:03 |
| S174 | 618 | S171 with S172 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:03 |
| S175 | 40059 | (synchronization sync$4) near2 (code pattern id frame) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:07 |

| S176 | 123217 | "8" near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:08 |
| S177 | 61374 | ("100 101" "010 101" "100101" "010101") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:09 |
| S178 | 426 | S177 and S176 and S175 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:09 |
| S179 | 15 | S177 and S176 with S175 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:09 |
| S180 | 271 | "01110111" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:11 |
| S181 | 2 | S180 and (S176 with S175) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:12 |
| S182 | 35 | S175 and S180 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:14 |
| S183 | 3 | S175 same S180 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/08 21:14 |
| S184 | 40092 | (synchronization sync$4) near2 (code pattern id frame) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/09 12:52 |

| S185 | 36433 | bit near2 sequenc$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/09 12:53 |
|------|-------|---------------------|------|-----|-----|------|
| S186 | 4220 | S184 and S185 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/09 12:53 |
| S187 | 879 | S184 same S185 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/09 12:53 |
| S188 | 123308 | "8" near2 bit | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/09 12:54 |
| S189 | 81 | S184 same S185 same S188 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/09 12:54 |
| S191 | 24 | ("4323931" \| "4501000" \| "4539666" \| "4685098" \| "4703494" \| "4728929" \| "5151699" \| "5276674" \| "5333126" \| "5629924" \| "5666338").PN. OR ("5912869").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/07/10 09:21 |
| S192 | 6 | 09/525447 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/07/10 09:26 |

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